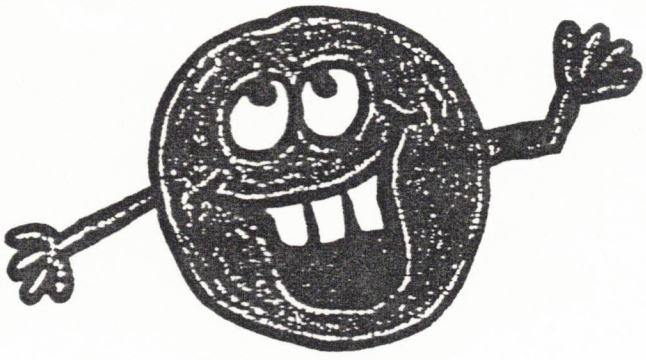
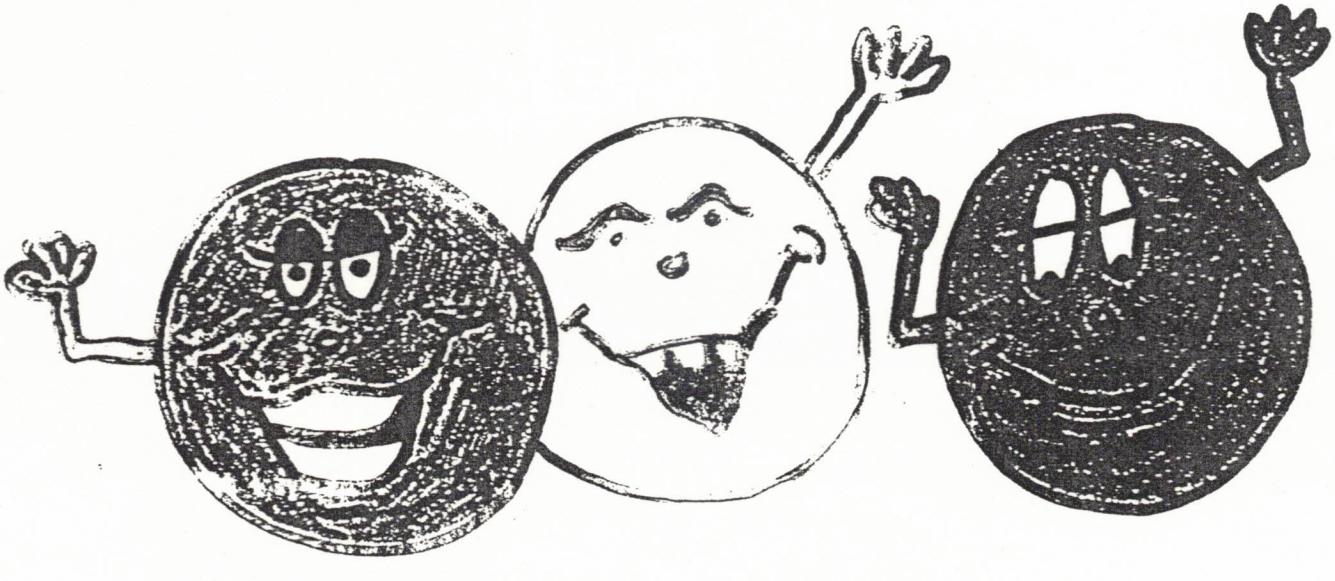
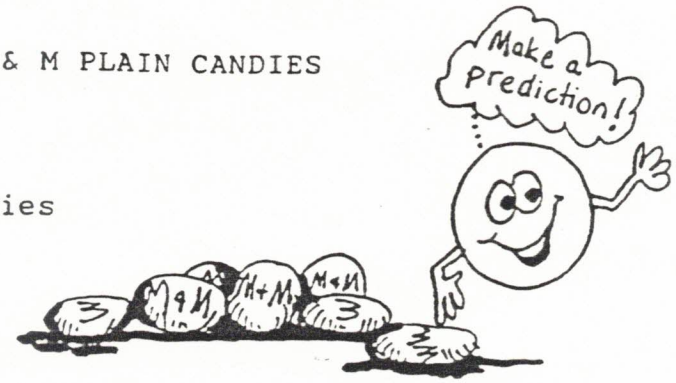


M&M mania



NAME:_____ DATE:_____

PREDICTING WITH M & M PLAIN CANDIES



MATERIALS:

1 small bag of M & M plain candies

paper towel

STEPS:

1. Based on your previous experiences eating M & M's, make <u>predictions</u> on the following:

	PREDICTION	ACTUAL
How many M & M's are in your package?	_____	_____
What is the most common color?	_____	_____
What is the least common color?	_____	_____

2. Predict the colors of the M & M's in your bag and the number of M & M's of each color.

3. Record this information in the chart on page 2 under "Color" and "Predicted Color."

4. Open the package. Empty the contents of your bag of M & M's on the paper towel provided. Observe and sort according to color.

5. Total the number of M & M's in the package. Record the actual number of M & M's in the space provided in number 1.

6. Total the number of M & M's of each color and record this information in the chart on page 2 under "Actual Number."

COLOR	PREDICTED NUMBER	ACTUAL NUMBER
TOTALS		

7. How close were your predicted numbers to the actual numbers of M & M's of each color? _____

_____

_____

8. Explain why you think your predicted numbers were different from the actual numbers of M & M's of each color. _____

_____

_____

_____

9. Do you think you would get the same results if you used a different bag of M & M's? How could you check this out?

_____

_____

_____

_____

_____

NAME:_____ DATE:_____

COMMUNICATING - M & M's PLAIN CANDIES...

MATERIALS:

1 small bag of M & M plain candies

markers

STEPS:

1. Design a bar graph according to color of M & M's. Line your M & M's up on the graph. After completing this, use the appropriate color to fill in your bar graph.

2. Is it easier to tell how many M & M's there are of each color by looking at the bar graph or by looking at them after they have been poured from the bag. Why? _____

_____

_____

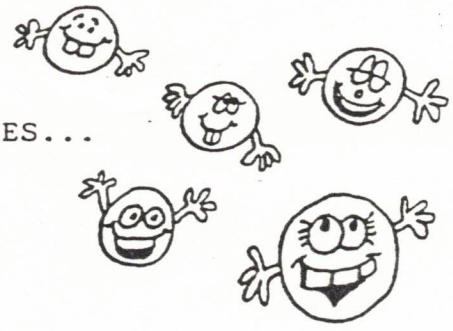
_____

_____

3. What other information could be quickly found by looking at the bar graph? _____

_____

NAME:_____ DATE:_____



CLASSIFYING M & M PLAIN CANDIES...

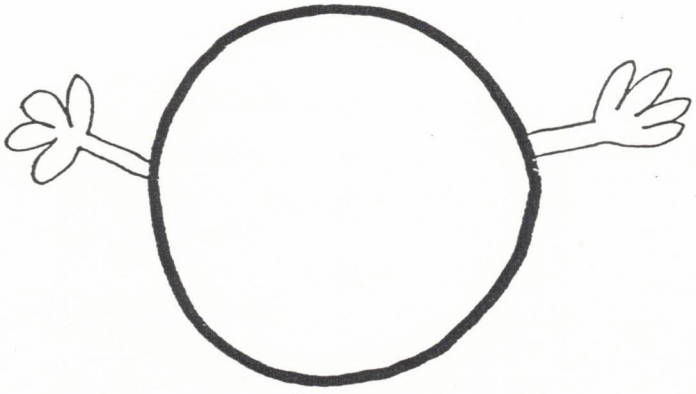
MATERIALS:

1 small package of M & M plain candies

STEPS:

1. Look at your M & M's. Think of a way to sort your M & M's into groups according to a feature that some of the M & M's have and some do <u>not</u> have.

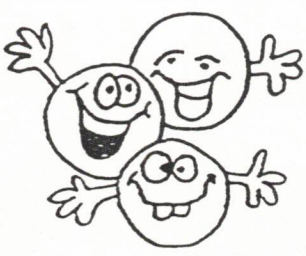
2. Place your M & M's into the two groups and put them in the circles below. Make sure you write the feature that you used to classify the M & M's into the two groups.



THESE M & M's HAVE THE FEATURE OF _____

THESE M & M's DO <u>NOT</u> HAVE THE FEATURE OF _____

3. Once again look at your M & M's. Think of another way to sort your M & M's into groups according to a particular feature. Write that rule. Using circles, draw and label this method of sorting your M & M's.. Inside each of the circles, draw and color your results.



NAME:_____ DATE:_____

MEASURING WITH M & M PLAIN CANDIES...

MATERIALS:

1 small bag of M & M plain candies
metric ruler

STEPS:

1. Estimate how many M & M's would fit on the line below if they were lined up touching each other.

   _____ M & M's

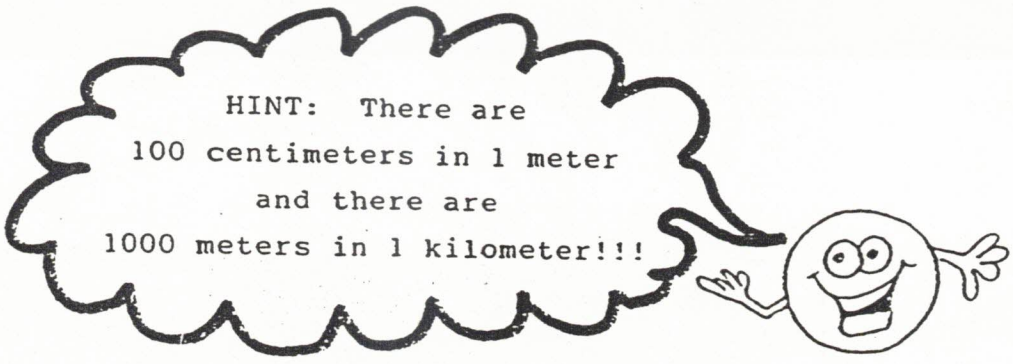
2. Measure the length and width of this paper by lining M & M's up touching each other. Give the measurement in M & M's.

   The paper is _____ M & M's in length.
   The paper is _____ M & M's in width.

3. Use the metric ruler to measure the width of one M & M.
   Record. _____

4. Use the metric ruler to find how many M & M's it would take to equal 10 cm if they were lined up touching each other.
   Record. _____

5. From the information gathered in #3 and #4, how many M & M's would it take to equal 1 meter if they were line up touching each other? _____
   To equal 1 kilometer? _____



NAME: ANSWER KEY DATE: _____

MEASURING WITH M & M PLAIN CANDIES...

MATERIALS:

1 small bag of M & M plain candies
metric ruler

STEPS:

1. Estimate how many M & M's would fit on the line below if they were lined up touching each other.

   _____ 7 _____ M & M's

2. Measure the length and width of this paper by lining M & M's up touching each other. Give the measurement in M & M's.

   The paper is 21 M & M's in length.
   The paper is 16 M & M's in width.

3. Use the metric ruler to measure the width of one M & M.
   Record. 13 mm

4. Use the metric ruler to find how many M & M's it would take to equal 10 cm if they were lined up touching each other.
   Record. 7 ½ M & M's

5. From the information gathered in #3 and #4, how many M & M's would it take to equal 1 meter if they were line up touching each other? 75 M & M's
   To equal 1 kilometer? 75,000 M & M's